

Delaware State Clearinghouse Committee Agenda

March 28, 2017

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Federal	State	Other
New Business*									
1	2017-01-10-01	Executive, Delaware State Housing Authority	Resident Opportunities and Support Services - Services Coordinator	\$140,387	\$0	\$140,387	0.00	0.00	0.00
2	3047	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	\$15,547	\$0	\$0	0.00	0.00	0.00
3	2979	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	State Wildlife Management Area Enhancement	\$2,505,000	\$837,000	\$0	0.60	0.00	0.00
4	3032	Department of Transportation, Planning	Delaware Bayshore Area Strategic Marketing Plan	\$75,500	\$0	\$0	0.00	0.00	0.00
Continued									
5	3031	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	State Health Insurance Assistance Program	\$211,033	\$0	\$0	2.00	0.00	0.00
6	2591 Amendment 3	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$30,000	\$0	\$0	0.00	0.00	0.00
7	2017-02-01-01	Department of Health and Social Services, Administration, Office of the Secretary	Stand By Me Financial Empowerment Program (Annie E. Casey Foundation)	\$0	\$0	\$400,000	0.00	0.00	0.00
8	2017-02-02-01	Department of Health and Social Services, Administration, Office of the Secretary	Stand By Me Financial Empowerment Program (W.K. Kellogg Foundation)	\$0	\$0	\$400,000	0.00	0.00	0.00
9	3020	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Delaware Strategic Prevention Framework - Partnership for Success	\$2,016,000	\$0	\$0	0.00	0.00	0.00
10	3030	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Strategic Prevention Framework for Prescription Drugs	\$371,616	\$0	\$0	0.00	0.00	0.00
11	3036	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Delaware Drug Court Expansion and Enhancement Program	\$325,000	\$0	\$0	0.00	0.00	0.00
12	3038	Department of Health and Social Services, Long Term Care Residents Protection	Centers for Medicare and Medicaid Services Survey and Certification - Hospice	\$10,500	\$0	\$0	0.00	0.12	0.00
13	3043	Department of Health and Social Services, Medicaid and Medical Assistance	Improving Maternal and Infant Health Outcomes	\$100,000	\$0	\$0	0.00	0.00	0.00
14	3045	Department of Health and Social Services, Public Health, Community Health	Medical Monitoring Project	\$311,482	\$0	\$0	1.40	0.00	0.00
15	3046	Department of Health and Social Services, Public Health, Community Health	Pregnancy Risk Assessment Monitoring System	\$151,253	\$135,585	\$0	2.00	0.74	0.00
16	3065	Department of Health and Social Services, Medicaid and Medical Assistance	Money Follows the Person Rebalancing Demonstration	\$4,182,836	\$979,343	\$0	1.50	0.50	0.00
17	2511 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Clean Cities Coalition Programmatic Support	\$45,000	\$0	\$0	0.00	0.00	0.00

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18	3034	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Phragmites Control on Private and Public Lands	\$168,750	\$56,250	\$0	0.00	0.25	0.00
19	3037	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Weatherization Assistance Program	\$572,294	\$0	\$0	0.00	0.00	0.00
20	3039	Department of Agriculture, Animal Health	Animal Disease Traceability	\$6,000	\$0	\$0	0.00	0.00	0.00
21	3040	Department of Agriculture, Animal Health	Umbrella National Surveillance	\$245,235	\$0	\$0	0.00	0.00	0.00
Higher Education									
1	2017-03-04-01	HE/University of Delaware	Collaborative Research: Characterizing Memory Patterns of Geophysical Signals Using a Combination of Transform Theory, Multi-Scale Decomposition, and Pattern-Analysis Techniques	\$240,365	\$0	\$0			
2	2017-03-04-02	HE/University of Delaware	NRI: INT: Multi-scale cooperative robot deployment in Hazardous Environments	\$876,010	\$0	\$0			
3	2017-03-04-03	HE/University of Delaware	Subversion of Membrane Transport by Legionella Pneumophila	\$0	\$0	\$138,000			
4	2017-03-04-04	HE/University of Delaware	Transition Education and Careers in Computer Information Science and Engineering (TECCIE) A Collaboration Between the University of Delaware and JPMorgan Chase	\$0	\$0	\$14,746,583			
5	2017-03-04-05	HE/University of Delaware	CDS/ARMY Compact and Robust Infrared Scene Projector (CRISP) Kiamilev	\$0	\$0	\$43,286			
6	2017-03-04-06	HE/University of Delaware	Manipulation of Rab GTPase Function by Legionella Pneumophila	\$1,250,000	\$0	\$0			
7	2017-03-04-07	HE/University of Delaware	Additive Manufacturing Framework for Smart Materials and Structures	\$0	\$0	\$48,076			
8	2017-03-04-08	HE/University of Delaware	The Influence of Fitness on the Neurogenic Actions of Dietary Salt	\$0	\$0	\$103,328			
9	2017-03-04-09	HE/University of Delaware	NRT-INFEWS: Addressing the Emerging Challenges at the Nexus of Electrochemical Energy and Water by Training Entrepreneurial Scientists and Engineers	\$2,570,087	\$0	\$0			
10	2017-03-04-10	HE/University of Delaware	A Framework for Effective Defense Against Use-after-Free Vulnerabilities in Software	\$406,299	\$0	\$0			
11	2017-03-04-11	HE/University of Delaware	Mathematical Models for Tissue Structure	\$889,995	\$0	\$0			

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12	2017-03-04-12	HE/University of Delaware	Lightweight Bullet and Fragment Impact Protection for Mobile Missile Launcher	\$0	\$0	\$31,731			
13	2017-03-04-13	HE/University of Delaware	Stereospecific Cross Couplings to Deliver Highly Enantioenriched, All-Carbon Quaternary Stereocenters	\$0	\$0	\$47,151			
14	2017-03-04-14	HE/University of Delaware	Technologies to Study Genetic Drivers of Phenotypic Traits Associated with Cellular Transformations	\$0	\$0	\$1,016,017			
15	2017-03-04-15	HE/University of Delaware	Low-Cost, Lightweight, High-Strength Structural Materials for Small and Medium Caliber Sabots	\$0	\$0	\$32,051			
16	2017-03-04-16	HE/University of Delaware	Developing Novel Platinum Group Metal-Free Catalysts for Alkaline Hydrogen and Oxygen Evolution Reactions	\$0	\$0	\$251,135			
17	2017-03-04-17	HE/University of Delaware	Non-Precious Bimetallic Electrocatalysts for Advanced Water Splitting	\$570,170	\$0	\$0			
18	2017-03-04-18	HE/University of Delaware	Randomized Control Trial Evaluating the Effectiveness of the Get aHEAD Soccer Heading Intervention for Improving Safe Play and Reducing Concussion in Youth Soccer Players	\$0	\$0	\$161,931			
19	2017-03-04-19	HE/University of Delaware	Instant k-Space Tomography for Spatial-Spectral Monitoring	\$0	\$0	\$28,846			
20	2017-03-04-20	HE/University of Delaware	Hybrid Overmolding of Small and Medium Caliber Sabots	\$0	\$0	\$28,847			
21	2017-03-04-21	HE/University of Delaware	Implementing a Dietary Energy Density Intervention in Preschool Children	\$0	\$0	\$210,000			
22	2017-03-04-22	HE/University of Delaware	Chemically and Mechanically Stabilized Membranes for Alkaline Electrolyzes	\$0	\$0	\$179,487			
23	2017-03-04-23	HE/University of Delaware	Further Development of a Live Attenuated Infectious Laryngotracheitis Virus (ILT) Vaccine	\$0	\$0	\$61,170			
24	2017-03-04-24	HE/University of Delaware	Development of a New Vaccine Administration Method at Poultry Hatcheries	\$0	\$0	\$67,279			
25	2017-03-04-25	HE/University of Delaware	Degraded Synthetic Training	\$0	\$0	\$45,691			

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26	2017-03-04-26	HE/University of Delaware	RII Track-4: A Computation-Driven Approach for Rational Design of Advanced Electrocatalysts	\$199,974	\$0	\$0			
27	2017-03-04-27	HE/University of Delaware	Postpartum Smoking Relapse Prevention by Breastfeeding Promotion	\$0	\$0	\$6,882			
28	2017-03-04-28	HE/University of Delaware	Center of Biomedical Research Excellence in Cardiovascular Health	\$1,349,142	\$0	\$0			
29	2017-03-04-29	HE/University of Delaware	Building a Bridge to the Deep Blue Sea by Developing an Artist-in-Residence Program at University of Delaware College of Earth, Ocean and Environment	\$0	\$0	\$80,000			
30	2017-03-04-30	HE/University of Delaware	Phase-Change Materials for Tunable Infrared Devices	\$0	\$0	\$60,363			
31	2017-03-04-31	HE/University of Delaware	The Role of Exosomes in Marek's Disease Virus-induced Immunosuppression	\$0	\$0	\$90,300			
32	2017-03-04-32	HE/University of Delaware	RII Track-2 FEC: G2P in VOM: An Experimental and Analytical Framework for Genome to Phenome Connections in Viruses of Microbes	\$4,924,625	\$0	\$0			
33	2017-03-04-33	HE/University of Delaware	E2CDA: Type 1: Antiferromagnetic Magneto-Electric Memory and Logic	\$276,307	\$0	\$0			
34	2017-03-04-34	HE/University of Delaware	Timing the Availability of Linguistic Predictive Signals: a Cerebellar Opponent Process for Regulating Word Priming	\$350,340	\$0	\$0			
35	2017-03-04-35	HE/University of Delaware	CARE 2.0: A Prospective, Longitudinal Study of the Intermediate and Cumulative Effects of Concussion and Repetitive Head Impact Exposure in NCAA Student-Athletes and U.S. Military Service Academy Members	\$0	\$0	\$194,879			
36	2017-03-04-36	HE/University of Delaware	Grammatical Profiles of Mandarin-Speaking Children with Primary Language Impairment	\$399,531	\$0	\$0			
37	2017-03-04-37	HE/University of Delaware	Evaluating the Nesting Ecology of American Black Duck in Coastal North Carolina	\$0	\$0	\$109,967			
38	2017-03-04-38	HE/University of Delaware	Developing Efficient Catalytic Processes for a Sustainable Future	\$0	\$0	\$75,000			
39	2017-03-04-39	HE/University of Delaware	Collaborative Research: Wave Breaking and Bubble Dynamics	\$90,625	\$0	\$0			

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40	2017-03-04-40	HE/University of Delaware	RII Track-2 FEC: Advanced Bio manufacturing: Catalyzing Improved Host Development and High Quality Medicines Through Genome to Phenome Predictions	\$0	\$0	\$972,226			
41	2017-03-04-41	HE/University of Delaware	Finding Solutions to Empower Formerly Incarcerated Individuals with Entrepreneurship Training and Access to Microloans	\$75,000	\$0	\$0			
42	2017-03-04-42	HE/University of Delaware	Thermal Transport in SiC and Diamond Based Composites	\$0	\$0	\$94,846			
43	2017-03-04-43	HE/University of Delaware	The Consortium for Advanced Research on Transport of Hydrocarbon in the Environment III	\$0	\$0	\$320,512			
44	2017-03-04-44	HE/University of Delaware	Collaborative Research: Influence of Wind and Bottom Generated Turbulence on Air-Sea Gas Exchange in a Coral Reef Atoll	\$221,753	\$0	\$0			
45	2017-03-04-45	HE/University of Delaware	Unresolved Post-Concussion Balance Deficits and Subsequent Musculoskeletal Injury	\$111,954	\$0	\$0			
46	2017-03-04-46	HE/University of Delaware	Evaluating State-of-the-Art Methods and Modeling Techniques for Rubble Mound Structures	\$75,896	\$0	\$0			
47	2017-03-04-47	HE/University of Delaware	Mitochondrial Oxidative Stress in Chronic Kidney Disease	\$0	\$0	\$140,000			
48	2017-03-04-48	HE/University of Delaware	Microstructured Hydrogels to Direct Microvascularization of Skeletonized Vessels	\$304,046	\$0	\$0			
49	2017-03-04-49	HE/University of Delaware	Neural Processing of Social Communication	\$275,000	\$0	\$0			
50	2017-03-04-50	HE/University of Delaware	Supported Living Transition Support and Research	\$0	\$0	\$27,559			
51	2017-03-04-51	HE/University of Delaware	Childhood Abuse, Hypothalamic-Pituitary-Adrenal Axis, and Alcohol-Related Female Violence	\$296,944	\$0	\$0			
52	2017-03-04-52	HE/University of Delaware	A Throwable Robot for Inspection and Characterization	\$1,036,227	\$0	\$0			
53	2017-03-04-53	HE/University of Delaware	NIST SURF 2017 Gaithersburg - University of Delaware	\$18,500	\$0	\$0			

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54	2017-03-04-54	HE/University of Delaware	Dynamic Robot-Aided Neurorehabilitation: The Predictive Value of Neuroimaging-Based Biomarkers of Motor Recovery	\$0	\$0	\$212,700			
55	2017-03-04-55	HE/University of Delaware	Carbon Monitoring Systems Across Mexico to Support Implementation of REDD+: Maximizing Benefits and Knowledge	\$381,238	\$0	\$0			
56	2017-03-04-56	HE/University of Delaware	Collaborative Research: Defining Contributions of Diverse Phototrophic Microbes to Carbon Cycling in Two Mid-Atlantic Estuaries	\$629,332	\$0	\$0			
57	2017-03-04-57	HE/University of Delaware	A Virtual Reality System to Guide Robot Assisted Laparoscopic Radical Prostatectomy	\$200,000	\$0	\$0			
58	2017-03-04-58	HE/University of Delaware	Identifying TeV J2032+4130 and Discovering a New TeV Binary System with Swift and Veritas	\$23,771	\$0	\$0			
59	2017-03-04-59	HE/University of Delaware	Innovation to Invoice (I2I) Applied to Energy Technology Commercialization	\$0	\$0	\$224,358			
60	2017-03-04-60	HE/University of Delaware	Antibody-Mediated Inhibition of Circulating Tumor Cell Docking and Extravasation to Prevent Metastasis	\$275,000	\$0	\$0			
61	2017-03-04-61	HE/University of Delaware	Prediction of Portal Pressure with Liver and Spleen MR Elastography and 4D Flow Phase-Contrast MRI	\$0	\$0	\$44,569			
62	2017-03-04-62	HE/University of Delaware	Graphical Software for Analyzing Multi-Instrument Measurements of Solar-Wind Ions	\$106,214	\$0	\$0			
63	2017-03-04-63	HE/University of Delaware	Glioblastoma Stem Cell Motility and Invasiveness	\$100,000	\$0	\$0			
64	2017-03-04-64	HE/University of Delaware	Solving Scientific Challenges with the Implementation of New Produce Safety Regulations	\$0	\$0	\$284,353			
65	2017-03-04-65	HE/University of Delaware	ATD: Collaborative Research: Multivariate Quantiles for Rapid Spatio-Temporal Threat Detection	\$54,659	\$0	\$0			
66	2017-03-04-66	HE/University of Delaware	PDCE/DASL will Support the NASSP in Implementation of a Grant From the Wallace Foundation to Coordinate PPLCs in National Convenings in March and October 2016	\$0	\$0	\$19,130			
67	2017-03-04-67	HE/University of Delaware	Research Initiative: Pedagogical and Curricular Approaches to Promote Engineering Design Self-Efficacy in Project-Based Learning Environments	\$130,155	\$0	\$0			

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68	2017-03-04-68	HE/University of Delaware	Repurposing the CRISPR-Cas9 System for Dynamic Control of Cellular Metabolism	\$12,000	\$0	\$0			
69	2017-03-04-69	HE/University of Delaware	Carbon Management Decision Support in Watersheds and Coastal Regions of the Gulf of Mexico and Eastern U.S. Using an Integrated Modeling and Observational Framework	\$0	\$0	\$163,868			
70	2017-03-04-70	HE/University of Delaware	Processing of Cu(In,Ga)Se ₂ -Based Solar Cells with Sputtered AgxCuY Interlayers	\$0	\$0	\$96,150			
71	2017-03-04-71	HE/University of Delaware	University Centers for Excellence in Developmental Disabilities	\$2,532,407	\$0	\$0			
72	2017-03-04-72	HE/University of Delaware	Development of Rare Event Simulation Methods for Improved Mechanistic Understanding of Mineral Surface Reactivity	\$349,766	\$0	\$0			
73	2017-03-04-73	HE/University of Delaware	Consortium for Simulation of Oil-Microbial Interactions in the Ocean	\$0	\$0	\$203,328			
74	2017-03-04-74	HE/University of Delaware	Clinical Adaptation of the SCI-QOL Psychosocial Measures	\$0	\$0	\$13,755			
75	2017-03-04-75	HE/University of Delaware	RII Track-4: Microscale Processes Controlling Speciation and Transformation of Phosphorus in Soils	\$214,165	\$0	\$0			
76	2017-03-04-76	HE/University of Delaware	RUI: Studies of High Speed Sliding Friction in Microscopic Contacts Using a Combined Probe and Quartz Crystal Microbalance	\$23,466	\$0	\$0			
77	2017-03-04-77	HE/University of Delaware	The Effectiveness of a Dual Task Training Protocol to Reduce Head Impact Magnitudes	\$0	\$0	\$19,141			
78	2017-03-04-78	HE/University of Delaware	Evaluation of Graphene-Silicon Photonic Integrated Circuits for High-Speed, Light Weight and Radiation Hard Optical Communication in Space	\$61,868	\$0	\$0			
79	2017-03-04-79	HE/University of Delaware	10th Annual Frontiers in Chemistry and Biology Interface Symposium	\$0	\$0	\$4,000			
80	2017-03-04-80	HE/University of Delaware	1654-1639 Innovative Passivation of Bulk Defects in Low Cost Direct Wafer Kerf-Less Multi-Crystalline Si Solar Cell	\$120,742	\$0	\$0			
81	2017-03-04-81	HE/University of Delaware	Modular Plug-and-Play Microfluidic Toolbox as a Disruptive Technology	\$0	\$0	\$600,001			

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82	2017-03-04-82	HE/University of Delaware	Youth Heading - Kaminski	\$0	\$0	\$1,000			
83	2017-03-04-83	HE/University of Delaware	Design of Cyanobacterial Biosystems for Sustainable Production of Fuels and Chemicals	\$0	\$0	\$691,551			
84	2017-03-04-84	HE/University of Delaware	Emissions Model	\$0	\$0	\$107,570			
85	2017-03-04-85	HE/University of Delaware	Real-time Monitoring of the Impact of Observing Sy	\$0	\$0	\$7,431			
86	2017-03-04-86	HE/University of Delaware	SI2-SSE: Collaborative Research: P.S.:MD-Portable Software for Molecular Dynamics Simulation	\$213,011	\$0	\$0			
87	2017-03-04-87	HE/University of Delaware	CPS:SMALL: Collaborative Research: Mission-Defined Hybrid Autonomous Infrastructure for Aquatic Operations	\$151,784	\$0	\$0			
88	2017-03-04-88	HE/University of Delaware	REU Supplement to DMR 1610134 - Directed Self-Assembly of Linear and Star Block Copolymer Thin Films: Oriented Nanostructures with Reduced Feature Sizes via Raster Annealing	\$5,000	\$0	\$0			
89	2017-03-04-89	HE/University of Delaware	1654-1550: A Novel Indium Tin Oxide Evaporation Process for Reduced Cost and Improved Material Properties	\$130,667	\$0	\$0			
90	2017-03-04-90	HE/University of Delaware	High Speed Fin Tunneling Field Effect Transistors on Silicon Substrate	\$0	\$0	\$600,000			
91	2017-03-04-91	HE/University of Delaware	Disc Mechanics and Altered Loading in Degeneration	\$1,637,095	\$0	\$0			
92	2017-03-04-92	HE/University of Delaware	Hydrogen/Metal Hydride Based Heat Pump System for Large HVAC Applications Utilizing an Ionic Liquid Desiccant Subsystem	\$0	\$0	\$146,422			
93	2017-03-04-95	HE/Delaware State University	An Experimental Learning Opportunity in the Performing Arts and STEM at Delaware State University	\$30,000	\$0	\$0			
94	2017-03-04-96	HE/Delaware State University	Intermittent Intergovernmental Personnel Act (IPA)	\$13,842	\$0	\$0			
95	2017-03-04-97	HE/Delaware State University	Catalyzing Improved Host Development and High Quality Medicines through Genome to Phenome Predictions	\$443,263	\$0	\$0			

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96	2017-03-04-98	HE/Delaware State University	Developing blueberries tolerant to high soil pH: An integrated approach	\$295,377	\$0	\$0			
97	2017-03-04-99	HE/Delaware State University	Pre-synaptic modulation of synaptic dopamine levels by D2 auto-receptors	\$427,968	\$0	\$0			
98	2017-03-05-01	HE/Delaware State University	Superparamagnetic-Paramagnetic Immunoassay for Selective Detection of Cancer Biomarkers	\$433,027	\$0	\$0			
99	2017-03-05-02	HE/Delaware State University	Aspire Challenge	\$75,000	\$0	\$0			
100	2017-03-05-03	HE/Delaware State University	Epidemiology of Thyroid Cancer in Delaware	\$161,069	\$0	\$0			